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NOTICE OF ALLOWANCE AND FEE(S) DUE

22852

7590

03/05/2004

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER
LLP
1300 I STREET, NW
WASHINGTON, DC 20005

EXAMINER

PAPER NUMBER

BAUM, RONALD

2135

ART UNIT

DATE MAILED: 03/05/2004

APPLICAT	ION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/388	1388	09/01/1999	FUMIHIKO SANO	04329.2163	3921

TITLE OF INVENTION: ENCRYPTION/DECRYPTION UNIT AND STORAGE MEDIUM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	06/07/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.





PART B - FEE(S) TRANSMITTAL



Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax

(703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as

maintenance fee notifications		in Block I, by (a) specif	rying a new c	orrespondence addres	s; and/or (b) indicating a sepa	arate FEE ADDRESS for	
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
	22852 7590 03/05/2004			have its own certificate of mailing or transmission.			
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP				Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.			
1300 I STREET, N' WASHINGTON, D					<u>-</u>	(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	APPLICATION NO. FILING DATE FIRST NAMED IN		NAMED INVE	NTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/388,388	09/01/1999	FU	MIHIKO SAN	Ю	04329.2163	3921	
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nonprovisional	NO	\$1330		\$0	\$1330	06/07/2004	
EXAM	INER	ART UNIT	С	LASS-SUBCLASS	7		
BAUM, R	ONALD	2135	•	380-042000	_		
Address form PTO/SB/12 "Fee Address" indicatic PTO/SB/47; Rev 03-02 o Number is required. 3. ASSIGNEE NAME AND PLEASE NOTE: Unless been previously submittee (A) NAME OF ASSIGNE Please check the appropriate 4a. The following fee(s) are our lissue Fee Publication Fee Advance Order - # of 0	nce address (or Change of C2) attached. on (or "Fee Address" Indicar more recent) attached. Use RESIDENCE DATA TO Be an assignee is identified be it to the USPTO or is being a series of the USPTO or category. EE assignee category or category.	Correspondence firm ages tion form a de of a Customer will se PRINTED ON THE PART IN THE P	ness of up to ness of, altern (having as a net) and the nemeys or ager be printed. ATENT (print appear on the cover. Comple DENCE: (CIT needs of the patent); ent of Fee(s): heck in the anoment by credit appear or is left account Ne	e patent. Inclusion of this form is Nory and STATE OR Conduction of the fee(s) is et card. Form PTO-203 hereby authorized by imber	attorneys or 1e of a single d attorney or 2stered patent ted, no name 3 assignee data is only approprioT a substitute for filing an assOUNTRY) I corporation or other private genclosed.	roup entity	
NOTE; The Issue Fee and other than the applicant; a interest as shown by the rec This collection of informa obtain or retain a benefit lapplication. Confidentiality estimated to take 12 minut completed application for case. Any comments on suggestions for reducing the Patent and Trademark (22313-1450. DO NOT SEND TO: Commissioner Under the Paperwork Rec	a registered attorney or ag cords of the United States Pa- tion is required by 37 CER- by the public which is to for its governed by 35 U.S.C. I ses to complete, including g in to the USPTO. Time with the amount of time you inis burden, should be sent Office, U.S. Department END FEES OR COMPLE	ent; or the assignee or catent and Trademark Office the trade of trade	other party in e. is required to o process) and s collection is ubmitting the he individual form and/or Officer, U.S. ria, Virginia ADDRESS.	· c			

TRANSMIT THIS FORM WITH FEE(S)







UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

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09/388,388 09/01/1999		09/01/1999	FUMIHIKO SANO	04329.2163	3921	
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DUNNER LLP				ART UNIT	PAPER NUMBER	
1300 I STREET, NW WASHINGTON, DC 20005			2135			
			DATE MAILED: 03/05/2004 $^{\prime}\mathcal{V}$			

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



	Application No. Applicant(s)						
A	09/388,388	SANO ET AL.					
Notice of Allowability	Examiner	Art Unit					
	Ronald Baum	2135					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.							
1. This communication is responsive to 2/05/2004.							
2. The allowed claim(s) is/are 10-13.							
3. The drawings filed on are accepted by the Examine	r.						
 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 							
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.							
 6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the 							
attached Examiner's comment regarding REQUIREMENT Attachment(s)	FOR THE DEPOSIT OF BIOLOGIC	AL MATERIAL.					
1. Notice of References Cited (PTO-892)		Patent Application (PTO-152)					
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Da						
 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 10 	98), 7. Examiner's Amend	ment/Comment					
4. Examiner's Comment Regarding Requirement for Deposit	, —	ent of Reasons for Allowance					
of Biological Material	9.						

Examiner's Statement of Reasons for Allowance

- 1. Claims 10-13 are allowed over prior art.
- 2. This action is in reply to applicant's correspondence of 05 February 2004.
- 3. The following is an examiner's statement of reasons for the indication of allowable claimed subject matter.
- 4. As per claim 10, prior art of record, Coppersmith et al, U.S. Patent 5,768,390, or, Coppersmith et al, U.S. Patent 5,454,039, or Feidmeier fails to teach explicitly, or in combination with prior art of record, of the use of a key generating means utilizing a DES-SS key schedule means for intermediate keys K1 and K3.

Dependent claims 11-13 are allowable by virtue of their dependencies.

Conclusion

5. Any inquiry concerning this communication or earlier communications from examiner should be directed to Ronald Baum, whose telephone number is (703) 305-4276. The examiner can normally be reached Monday through Friday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu, can be reached at (703) 305-4393. The Fax number for the organization where this application is assigned is 703-872-9306.

Ronald Baum

Patent Examiner